

**NORTH AMERICA
INTERNATIONAL PATENT OFFICE**

P.O. BOX 506, Merrifield, VA 22116, U.S.A.

TEL:+886-2-8923-7350

FAX: 806-498-6673

e-mail:winstonhsu@naipo.com

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OCT 21 2004

**FAX TO: LUU, AN T
ART UNIT: 2816**

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FROM: Winston Hsu, PATENT AGENT, REG. NO.: 41,526

SERIAL NO.: 09/682,303

ATTORNEY DOCKET NO.: NAUP0303USA

SUBJECT: INFORMATION DISCLOSURE STATEMENT

TOTAL PAGES: 22 PAGES (INCLUDING COVER PAGE)

Winston Hsu 2004/10/22

**-----
WARNING !! DUPLICATE COPY !!**

Subject: Re-submission of a previous submitted fax

Dear Sir or Madam,

This fax is a re-submission of a previous submitted fax which was sent to the above identified fax number at 02:16 AM, 10/21/2004. In the previous submission process, the fax machine failed to automatically generate a fax confirmation report. The undersigned agent has no idea whether the previous submission is completed or not. In order to avoid abandonment or delay of the correspondent U.S. patent application, the undersigned agent decides to resend this fax. If you find out that the previous fax submission is completed and the current fax becomes a redundant copy of the previous submitted fax, you can ignore this fax and use the previous fax as the formal response.

Thank you very much for your help.

NAUP0303USA0_D1_1

PTO/SB/97 (09-04)

Approved for use through 07/31/2009, OMB 0651-0031

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OCT 22 2004

Celia Hsieh
Signature

Celia Hsieh

Typed or printed name of person signing Certificate

886-2-8923-7350

Registration Number, if applicable

Telephone Number

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(1) Transmittal Form	1 PAGE
(2) Fee Transmittal	1 PAGE
(3) Information Disclosure Statement	18 PAGES

This collection of information is required by 37 CFR 1.8. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1.8 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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TRANSMITTAL
FORM

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Total Number of Pages in This Submission

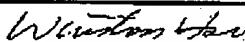
20

Application Number	09/682,303
Filing Date	08/16/2001
First Named Inventor	Jui-Lung Chen
Art Unit	2816
Examiner Name	LUU, AN T
Attorney Docket Number	NAUP0303USA

ENCLOSURES (Check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	North America Intellectual Property Corporation		
Signature			
Printed name	Winston Hsu		
Date	10/21/2004	Reg. No.	41,526

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I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

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Typed or printed name			Date

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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FEE TRANSMITTAL for FY 2005

Effective 10/01/2004. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 180.00)

Complete if Known

Application Number	09/682,303
Filing Date	08/16/2001
First Named Inventor	Jui-Lung Chen
Examiner Name	LUU, AN T
Art Unit	2816
Attorney Docket No.	NAUP0303USA

METHOD OF PAYMENT (check all that apply)

 Check Credit card Money Order Other None
 Deposit Account:

Deposit Account Number 50-3105
Deposit Account Name North America Intellectual Property Corp.

The Director is authorized to: (check all that apply)

Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) or any underpayment of fee(s)
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 790	2001 395	Utility filing fee	
1002 250	2002 175	Design filing fee	
1003 550	2003 275	Plant filing fee	
1004 780	2004 395	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1) (\$ 0.00)			

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid
			-20** =	X	
			- 3** =	X	

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1202 18	2202 9	Claims in excess of 20	
1201 88	2201 44	Independent claims in excess of 3	
1203 300	2203 150	Multiple dependent claim, if not paid	
1204 88	2204 44	** Reissue independent claims over original patent	
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2) (\$ 0.00)			

*For number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 430	2252 215	Extension for reply within second month	
1253 980	2253 490	Extension for reply within third month	
1254 1,530	2254 765	Extension for reply within fourth month	
1255 2,080	2255 1,040	Extension for reply within fifth month	
1401 340	2401 170	Notice of Appeal	
1402 340	2402 170	Filing a brief in support of an appeal	
1403 300	2403 150	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,370	2501 665	Utility issue fee (or reissue)	
1502 490	2502 245	Design issue fee	
1503 660	2503 330	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 60	1807 60	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	180
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 790	2809 395	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 790	2810 395	For each additional invention to be examined (37 CFR 1.129(b))	
1801 790	2801 395	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	
Other fee (specify) _____			
*Reduced by Basic Filing Fee Paid			
SUBTOTAL (3) (\$ 180.00)			

SUBMITTED BY

Name (Print/Type)	Winston Hsu	Registration No. (Attorney/Agent)	41,526	Telephone	886-2-89237360
Signature	<i>Winston Hsu</i>	Date	10/21/2004		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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PTO/SB/08A (08-03)

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.													
Complete if Known													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 45%;">Application Number</td> <td>09/682,303</td> </tr> <tr> <td>Filing Date</td> <td>08/16/2001</td> </tr> <tr> <td>First Named Inventor</td> <td>Jui-Lung Chen</td> </tr> <tr> <td>Art Unit</td> <td>2816</td> </tr> <tr> <td>Examiner Name</td> <td>LUU, AN T</td> </tr> <tr> <td>Attorney Docket Number</td> <td>NAUP0303USA</td> </tr> </table>		Application Number	09/682,303	Filing Date	08/16/2001	First Named Inventor	Jui-Lung Chen	Art Unit	2816	Examiner Name	LUU, AN T	Attorney Docket Number	NAUP0303USA
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Art Unit	2816												
Examiner Name	LUU, AN T												
Attorney Docket Number	NAUP0303USA												
<p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i></p>													
Sheet 1	of 1												

Examiner Signature		Date Considered	
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***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. **1**Applicant's unique citation designation number (optional). **2**See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. **3**Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). **4**For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. **5**Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. **6**Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Jui-Lung Chen Shih-Huang Huang
5 Examiner: An T. Luu
Filing Date: 08/16/2001 Art Unit: 2816
App. No.: 09/682,303 Docket No.: NAUP0303USA

Title: DELAY LOCK CIRCUIT USING BISECTION ALGORITHM AND
10 RELATED METHOD

To: Commissioner of Patents
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Subject: Information disclosure statement Under
37C.F.R. \$1.56 and 37C.F.R. \$1.97(d).

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Dear Sir or Madame:

This is an Information Disclosure Statement in accordance
with the duty to disclose information material to
25 patentability under 37 C.F.R. \$1.56. Applicants wish to make
of record the document listed on the accompanying form
PTO/SB/08. It is respectfully requested that the Examiner
initial the cited references on the form and that it be made
of record in the application and that a copy of the initialed
30 form be sent to Applicants with the next communication from
the Examiner.

Since the IDS is filed after the mailing date of a notice of allowance, and on or before a payment of the issue fee, the requirement set forth in §1.97(d) is satisfied. Items of information contained in the information disclosure statement 5 were cited in communication from PRC Patent Office on 07/25/2004 for a counterpart foreign application.

The cited reference, JP publication number No. H10-13219, teaches a DLL circuit. As shown in Fig.1, the block 10 diagram discloses a configuration of the cited art DLL circuit 14. The DLL circuit 14 comprises a phase detector 11 for comparing the phase difference between the external clock signal 6 and the internal clock signal 7, a control signal generating circuit 13 for generating a control signal 15 according to the comparison results 8-1, 8-2, 9-1, 9-2, and 10 of the phase detector 11, a plurality of delay units 3 for delaying the external clock signal 6, a multiplexer 4 for selecting a certain number of the delay units 3 according to the control signal outputted from the control signal 20 generating circuit 13, and a clock driver 5 for generating the internal clock signal 7 according to the selected delay units. A delay unit 3 is a smallest unit, which delays the external clock signal 6. Since the control signal generating circuit 13 is capable of determining a total number of used 25 delay unit 3 according to a comparison result generated from the phase detector 11, it transmits the control signal to the multiplexer 4 for driving the multiplexer 4 to select the required delay units 3.

30 Independent Claim 11 of the present invention, listed in the response to the Office action dated 06/03/2004, is repeated here for reference.

11. A delay lock circuit for generating a second clock according to a first clock and synchronizing the first clock and the second clock, the delay lock circuit comprising:

5 a comparator for determining if corresponding periods of the first clock and the second clock are synchronized and generating a corresponding comparison signal;

10 a delayer electrically connected to the comparator for delaying the first clock so as to change a delay time between the corresponding periods of the first clock and the second clock; and

15 a controller to control the delay lock circuit; wherein the controller uses the delayer to perform a correcting process to increase or decrease the delay time between the corresponding periods of the first clock and the second clock by a correction interval, wherein a **subsequent correction interval of a subsequent correcting process is less than a previous correction interval of a previous correcting process**, and the controller

20 terminates the correcting process if the correction interval is smaller than a predetermined value.

However, the cited reference fails to teach or suggest

25 that "**a subsequent correction interval of a subsequent correcting process is less than a previous correction interval of a previous correcting process.**" Based on the above difference, it is believed that claim 11 is substantially different from the cited reference. And claims 12-14 are

30 dependent on claim 11, they are believed to be substantially different from the cited reference.

Independent Claim 16 of the present invention, listed in the response to the Office action dated 06/03/2004, is repeated here for reference.

5 16. A method for performing a delay lock to generate a second
clock according to a first clock and to synchronize the
second clock with the first clock, the method comprising:
executing a plurality of correcting processes, each of
which increases or decreases by a respective
10 correction interval a respective delay time between
corresponding periods of the first clock and the
second clock; and
terminating the plurality of correcting processes when
the correction interval is smaller than a
15 predetermined value;
wherein a **subsequent correction interval for a subsequent**
correcting process is less than a previous correction
interval of a previous correcting process.

20 Similarly, as mentioned above, the cited reference fails
to teach or suggest that "**a subsequent correction interval**
of a subsequent correcting process is less than a previous
correction interval of a previous correcting process." Based
on the above difference, it is believed that claim 16 is
25 substantially different from the cited reference. And claims
17-24 are dependent on claim 16, they are believed to be
substantially different from the cited reference.

Sincerely yours,

5 Winston Hsu

Date: October 21, 2004

Winston Hsu, Patent Agent No. 41,526
P.O. BOX 506
Merrifield, VA 22116
U.S.A.

10 Facsimile: 806-498-6673

e-mail : winstonhsu@naipo.com

(Please contact me by e-mail if you need a telephone communication and I will return your call promptly.)